



London
Design &
Engineering
UTC

Options Year 9

What will you study from May ½ term of year 9?

- English Language
- English Literature
- Mathematics
- Combined Science (or Triple Science if you pick this as an option)
- One subject from each of the blocks below

A	B	C
Engineering Manufacturing	Engineering Manufacturing	Art*
Engineering Mechatronics	Geography*	Geography*
Built Environment	Triple Science* (TG 5+ Science)	Built Environment
Digital Media	Computing* (TG 5+) OR Digital Media	Computing* (TG 5+)
Design & Technology*	Enterprise	Enterprise

- Choose subjects that you enjoy – you are more likely to achieve well in something you enjoy.
- Think about possible career pathways – is there something particular you might need?
- Are you good at the subject?
- To take Computer Science or Triple Science, you must have a Maths target grade of 5 or above.

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What is involved in the technical qualifications?

- Engineering manufacturing covers manufacturing processes, engineering materials, manufacturing requirements, and developments in engineering manufacturing using machines and tools that will turn raw materials into new products.
 - **Principles of engineering manufacture (exam),**
 - **Manufacturing a one-off product (NEA),**
 - **Manufacturing in quantity (NEA)**

- Engineering Programmable Systems covers electronic circuits, the components and devices used in electronic and programmable systems, and how to construct and test them in environments such as automated manufacturing, maintenance and stock control.
 - **Principles of electronic and programmable systems (exam),**
 - **Making and testing electronic circuits (NEA),**
 - **Developing programmable systems (NEA)**

What is involved in the technical qualifications?

- Digital Media covers how the media industry works, from its sectors (film/radio/interactive media..) and products (video/audio..) to roles (creative/technical ...) You will design, plan, create and review digital media products to meet client and target audience demands.
 - **Creative iMedia in the media industry (exam),**
 - **Visual identity and digital graphics (NEA),**
 - **Characters and comics (NEA)**
- Built Environment explores how building design has evolved over time. You will learn about the environmental, social and economic impacts of the built environment and how the draft and design whilst following building codes and regulations.
 - **Planning potential of construction projects (timed exam board project and online exam),**
 - **Drawing construction plans (NEA),**
 - **Building structures and materials (NEA)**

What is involved in the technical GCSEs?

- Design technology covers contemporary technologies, materials and processes and you will design and make an original product using a range of materials and techniques to meet client and target audience demands.
 - **Technical principals(exam),**
 - **Designing and making principles(NEA)**
- Art explores drawing and painting, examining how sources relate to individual, social, historical, environmental, cultural, and ethical issues.
 - **Portfolio of a sustained project developed in response to a subject (NEA),**
 - **Set assignment (exam)**

What is involved in the technical GCSEs?

- Enterprise covers how to use market research to find out about their customer needs and competitor behaviour and how internal and external factors may affect enterprises. You will also generate ideas for two micro-enterprises and plan one within a budget
 - **Exploring enterprises (NEA),**
 - **Planning and presenting a Micro-enterprise (NEA),**
 - **Marketing and Finance for Enterprise (exam)**
- Computer Science explores computational thinking, programming, data representation, computer systems, networking and the internet, software development, algorithms, ethics and the law.
 - **Computer systems (exam),**
 - **Computational thinking (exam)**

What is involved in the technical GCSEs?

- Geography explores natural landscapes, the climate, ecosystems, and natural hazards within the physical environment, urbanisation, population and migration, and economic and resource management within the human environment. You will also undertake fieldwork using map skills and data collection and analysis.
 - **Living with the physical environment(exam),**
 - **Challenges in the human environment (exam)**
 - **Graphical applications(exam)**



**Year 9 GCSE
Option Choices
2024 Edition**

How do you choose?

- Some subjects are in two blocks to allow more learners to pick this subject.
- You cannot however pick it in both blocks

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Design & Technology*	Enterprise		Enterprise



How do you choose?

- In block B, we have one option that is currently Computing OR Digital Media.
- We will be looking at which of these subjects is more popular and use this to decide on whether we run 2 Computer Science classes or 2 Digital Media classes.

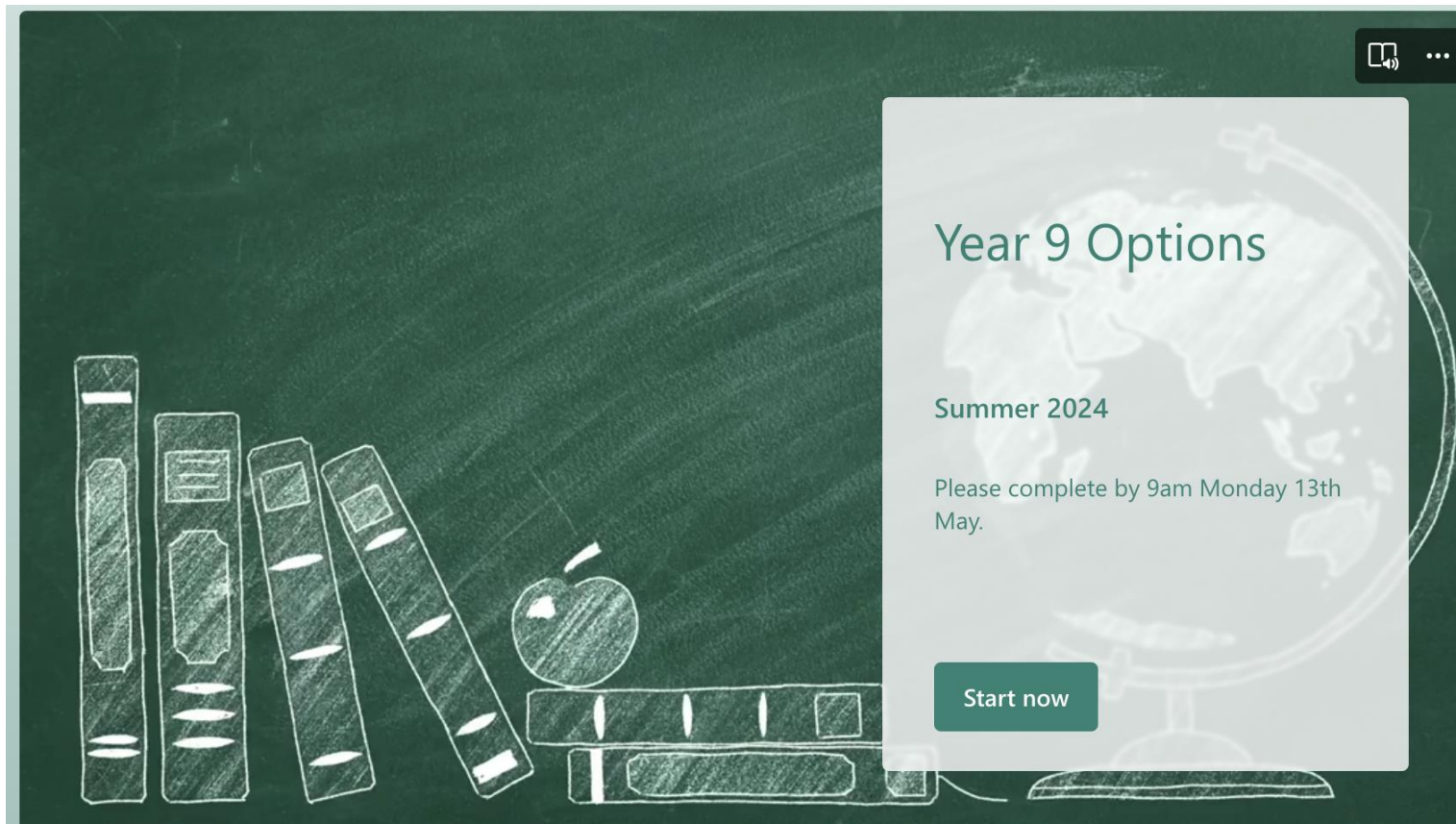
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Design & Technology*	Enterprise	Enterprise

- You will notice that some of these subjects have a *.
- These are GCSEs. The other subjects are technical qualifications.

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- Some highly selective sixth-form colleges will only allow entrance with 8 GCSEs.
 - Therefore, you must choose Design & Technology in the first block and two from Geography, Art, Computing, and Triple Science in the other two blocks.
 - These sixth-form colleges will often require you to have eight Grade 8 s and above.

- Your parents will be sent a link to a Microsoft form
- They should complete this with you over the next week. It requires YOU to be logged into your college account to be able to complete the form



- On Monday, May 13th, I will review your choices and see whether I can give you your first choice.
- There are several reasons why I may not be able to give you your first choice:
 - Your target grade in Maths is less than 5, but you've selected Computer Science.
 - Your target grade in Maths is less than 5, but you've selected Triple Science
 - The class was oversubscribed.
- What do I do if a class is oversubscribed?
 - I look at your mindset grade
 - I speak to your teachers
 - I discuss with your Head of Year, Mohamed.
- If you are not being offered your first choice in all blocks, Mohamed or I will come and talk to you and let you know what we are offering.